BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : CONSTRUCTION OF ROAD AND DRAIN NEAR FARMERS MARKET IN WARD NO.01 OF YELAHANKA SUB-DIVISION

Estimate Cost Rs. 9.60 Lakhs

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for **levelling and lowering** the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1 (P.5/I.2.1)								
		Cum							
	Indira Canteen Opp Road		1	24.00	5.80	0.45	62.64		
							62.64	166.42	**10425.00**
	Basic Rate	157.00							
	Area Weightage @ 6%	9.42							
	Total	**166.42**							
2	KSRB 2-2.1 : **Earth work excavation** for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)								
	infront of indira canteen	Cum							
	for New Drain		1	23.00	1.00	1.00	23.00		
							23.00	200.34	**4607.82**
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	200.34							
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1+2			**85.64**	100.00	**8564.00**
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	**100.00**							
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
		Cum							
	for New Drain		1	23.00	1.00	0.15	3.34		
	Indira Canteen Opp Road		1	24.00	5.80	0.15	20.88		
							24.22	5159.02	**124925.67**
	Basic Rate	4867.00							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
5	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/It.No.4.46.2 (rates effects from 01-07-2017)								
		tonne	No.of Bars	Width/Lengt	Rmtr	Kg/Rmtr	Total in Kg		
	12mm dia main bar spacing at 150mm c/c	1	153	1.95	299.00	0.888	265.51		
	10mm dia dist bar spacing at 150mm c/c	1	13	23.00	299.00	0.617	184.48		
						in Kg	450.00		
						in Qtl	4.5000		
						in tonne	**0.4500**	64243.42	**28909.22**
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							
6	Providing & laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.69cum ,and fine aggregated @ 0.460cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.specifications No.KBS 4.1.4.6 (P.No.13/ I.No.4.11)								
		Cum							
	for drain wall		2	23.00	0.15	0.60	4.14		
	bed		1	23.00	1.00	0.15	3.45		
							7.59	11032.48	**83736.52**
	Basic Rate	10408.00							
	Area Weightage @ 6%	624.48							
	Total	**11032.48**							
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 10 cms thick (Page No.25, Item No. 5.31.2)								
		Sqm							
	for Drain covering slab		1	23.00	1.00		23.00		
							23.00	779.00	**17917.00**
	Basic Rate	779.00							
	Area Weightage @ 6%	46.74							
	Total	**825.74**							
8	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs with 20mm and down size graded granite metal coarse aggregate @ 0.84cum and fine aggregate @ 0.56 cum machine mixed concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2 (P No. 13 / Item No.4.7)								
		Cum							
	Drain Ramp		1	23.00	0.60	0.15	2.07		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
							2.07	5598.92	11590.00
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	5598.92							
9	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 25mm nominal OD pipes (P.96 / I.N 13.87.3)25mm nominal OD pipes								
		m							
			1	30			30.00	174.90	5247.00
	Basic Rate	165.00							
	Area Weightage @ 6%	9.90							
	Total	174.90							
10	Providing and fixing M.S Gate as per chief architect drawing using 50mm x 50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shown in the drawinf and 35mm x 6mm and 16mm x16 mm squre rods for verticle alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawingetc., complete all the steel surface shold be thoroughly cleaned free of dust and painted with anti corrosive paint (shop paint) etc.,complete the work includes cost of all materil labour charges for all items of work, hire charges for welding, cutting and grindingequipment and electrically charges with lead and lift, loading and unloading charges complete as per specification(P.42&43 / I.N 7.37)								
		Sqm							
	for Vehicle Entrance Gate		1	5.80		2.80	16.24		
	Indira Canteen Entrance Gate		1	1.80		1.80	3.24		
							19.48	3238.30	63082.00
	Basic Rate	3055.00							
	Area Weightage @ 6%	183.30							
	Total	3238.30							
11	Providing and fixing M.S. Grill Over existing compound wall as per using 16mm x 16mm M.S square rod at 150mm c/c spacing and 6mmx40mm M.S flats at horizontal and 6mmx12mm M.S flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding, wherever necessary.all the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc.,complete.the work includes cost all materials, labour charges for all items of work, hire charges for welding cutting and grinding equipment, and electricity charges, etc., (Page No. 42/ Item No. 7.36)								
	for Compound	sqm							
			1	16.90		1.75	29.58		
			1	4.40		1.50	6.60		
			1	7.60		1.45	11.02		
			1	20.10		0.50	10.05		
							57.25	5537.44	316990.75
	Basic Rate	5224.00							
	Area Weightage @ 6%	313.44							
	Total	5537.44							
12	KSRB 15-18.3 : Providing and applying to enamel metal paint two coat (excluding priming coat) on over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.No.121 Item No.15.74)								
		sqm							

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	for Compound grill		2	8.90		0.45	8.01		
			2	16.90		1.75	59.15		
			2	4.40		1.50	13.20		
			2	7.60		1.45	22.04		
			2	20.10		0.50	20.10		
	for Vehicle Entrance Gate		2	5.80		2.80	32.48		
	Indira Canteen Entrance Gate		2	1.80		1.80	6.48		
							161.46	90.10	**14547.55**
	Basic Rate	85.00							
	Area Weightage @ 6%	5.10							
	Total	**90.10**							
13	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc.,complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)								
		Cum							
			1	24.00	5.80	0.15	20.88		
							20.88	6231.74	**130118.73**
	Basic Rate	5879.00							
	Area Weightage @ 6%	352.74							
	Total	**6231.74**							
14	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
		Sqm							
			1	24.00	5.80		139.20		
							139.20	95.40	**13279.68**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							
15	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. --do- with primer (Page No. 116 / Item No. 15.51.2)								
		Sqm							
	for compound wall		2	8.90		1.60	28.48		
			2	16.90		0.40	13.52		
			2	4.40		0.60	5.28		
			2	4.30		1.45	12.47		
			2	7.60		0.75	11.40		
			2	22.00		1.60	70.40		
							141.55	95.40	**13503.87**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							

Sl. No.	Description of Item	Unit	No.	L	B	D		Amount
16	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.181 & I.No.24.15)							
		Sqm						
			2	2.5	110.00			
						0.10	27.50	
						27.50	464.28	12768.00
	Basic Rate	438.00						
	Area Weightage @ 6%	26.28						
	Total	**464.28**						
17	KSRB 15-19.2 :Providing and applying **ready mix priming coat** over concrete/masonry/asbestos cement sheet/plastered surfaces including preparing the surface after throughly cleaning of oil,grease,dirt and other foreign matter and sand papering including cost of materials, labour, complete as per specifications (Page no.121 / It no.15.80)							
		Sqm						
			1	20.00				
						0.40	8.00	
						Total Qty	8.00	27.56	220.00
	Basic Rate	26.00						
	Area Weightage @ 6%	1.56						
	Total	**27.56**						
18	KSRB 800-1.Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. (Page No.182 & Item No.24.1)							
		Sqm						
						Qty Vide Item No.	8.00	63.60	509.00
	Basic Rate	60.00						
	Area Weightage @ 6%	3.60						
	Total	**63.60**						
							Sub-Total Amount	860942.00
19	3% for KRIDL Charges							25828.00
20	1% for Labour Cess							8609.00
21	7% for Applicable GST Charges							60266.00
22	Miscellaneous and unforeseen charges	LS						4355.00
							Grand Total Amount	960000.00

(Rupees Nine Lakhs and Sixty Thousand Only)

Administrative Sanction for Rs. 960000=00 Nine Lakhs & Sixty Thousand only is accorded under head P-3106 Nagarothana. Grants

EE/YNK/A.S/02/18-19 23.5

Executive Engineer

TECHNICALLY CORRECT FOR RS. 960000.00 Rupees Nine Lakhs & Sixty Thousand only Under P-3106-Nagarothana. Grants

EE/YNK/TS/02/18-19 Dated 23.5.18 960000=00

Executive Engineer

CERTIFICATE

1. The site has been inspected and the work is found to be necessary.
2. The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
3. The provisions were made in this estimate are necessary and adequate.
4. The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.01

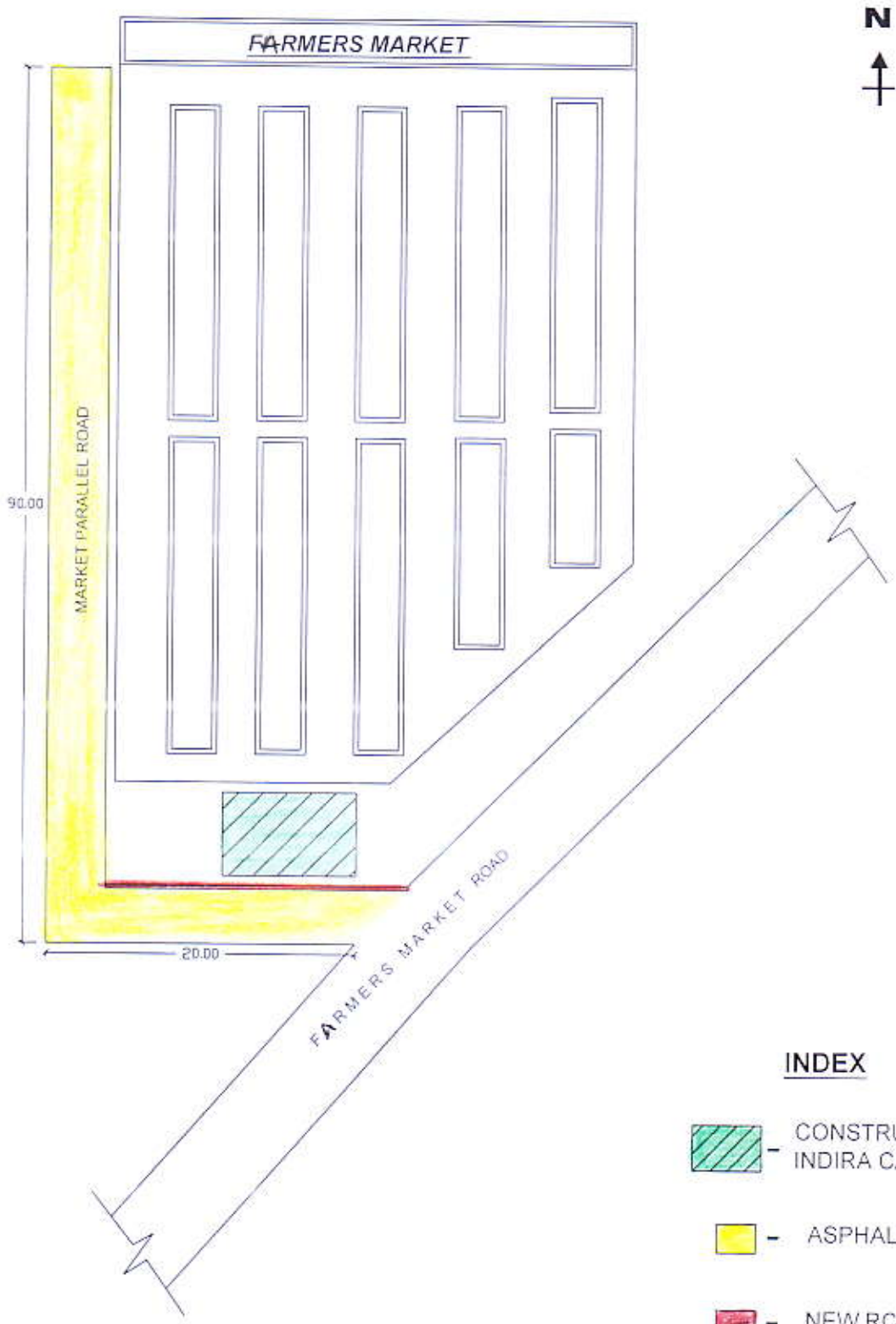
Executive Engineer
Yelahanka Division
B.B.M.P

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

TO INDIRA CANTEEN

NAME OF WORK : CONSTRUCTION OF ROAD AND DRAIN NEAR FARMERS MARKET IN WARD NO.01 OF YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



INDEX

- CONSTRUCTION INDIRA CANTEEN
- ASPHALTING
- NEW RCC DRAIN

Assistant Engineer
Ward No.01
Kempegowda Ward

Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

YELAHANKA ZONE
WARD 1-KEMPEGOWDA WARD

Assistant Executive Engineer
Yelahanka Sub Division,
B.B.M.P, Bangalore-64.